

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date February, 2017		EPA Reg No./file Symbol 464 – 691		Page 1 of 6	
Application's/Registrant's Name & Address The Dow Chemical Company, 200 Larkin Center, 1501 Larkin Center Drive Midland, Michigan 48674		Product AQUCAR™ GA 50 MUP Water Treatment Microbiocide			
Ingredient Glutaraldehyde					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Product Chemistry Group A					
830.1550	Product Chemistry Group A for AQUCAR GA 50 MUP Water Treatment Microbiocide	50126101	The Dow Chemical Company	OWN	
830.1600	Product Chemistry Group A for AQUCAR GA 50 MUP Water Treatment Microbiocide	50126101	The Dow Chemical Company	OWN	
830.1620	Product Chemistry Group A for AQUCAR GA 50 MUP Water Treatment Microbiocide	50126101	The Dow Chemical Company	OWN	
830.1650	Product Chemistry Group A for AQUCAR GA 50 MUP Water Treatment Microbiocide	50126101	The Dow Chemical Company	OWN	
830.1670	Product Chemistry Group A for AQUCAR GA 50 MUP Water Treatment Microbiocide	50126101	The Dow Chemical Company	OWN	
830.1700	Product Chemistry Group A for AQUCAR GA 50 MUP Water Treatment Microbiocide	50126101	The Dow Chemical Company	OWN	
	AQUCAR GA 50 MUP WTM Five Batch Analysis	50198605	The Dow Chemical Company	OWN	
830.1750	Product Chemistry Group A for AQUCAR GA 50 MUP Water Treatment Microbiocide	50126101	The Dow Chemical Company	OWN	
830.1800	Product Chemistry Group A for AQUCAR GA 50 MUP Water Treatment Microbiocide	50126101	The Dow Chemical Company	OWN	
Signature <i>Rhonda Vance-Moeser</i>		Name and Title Rhonda Vance-Moeser, Product Steward Regulatory Mgr.			Date Feb. 28, 2017

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Ingredient Glutaraldehyde					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Product Chemistry Group B					
830.6302 - color	GA 50 Physical Properties	50198604	The Dow Chemical Company	OWN	
830.6303 – physical state	GA 50 Physical Properties	50198604	The Dow Chemical Company	OWN	
830.6304 - odor	GA 50 Physical Properties	50198604	The Dow Chemical Company	OWN	
830.6313 – Stability to temp/metals	GA 50 Physical Properties	50198604	The Dow Chemical Company	OWN	
830.6314 – oxidizing/reducing	GA 50 Oxidation/Reduction & Flammability	50198601	The Dow Chemical Company	OWN	
830.6315 – flammability	GA 50 Oxidation/Reduction & Flammability	50198601	The Dow Chemical Company	OWN	
830.6316 – explosability	GA 50 Explosive Property	50198602	The Dow Chemical Company	OWN	
830.6317 – storage stability	GA 50 Accelerated Storage Stability & Corrosion Char	50198603	The Dow Chemical Company	OWN	
830.6319 – miscibility	GA 50 Physical Properties	50198604	The Dow Chemical Company	OWN	
830.6320– corrosion charac.	GA 50 Accelerated Storage Stability & Corrosion Char	50198603	The Dow Chemical Company	OWN	
830.6321 – dielectric breakdown volt	GA 50 MUP Wavier and Study Progress Update	50198606	The Dow Chemical Company	OWN	
830.7000 - pH	GA 50 Physical Properties	50198604	The Dow Chemical Company	OWN	
830.7050 – uv/visible abs	GA 50 Physical Properties	50198604	The Dow Chemical Company	OWN	
830.7100 – viscosity	Viscosity of UCARCIDE 250 Antimicrobial	45250502	Union Carbide Corporation	OLD	
830.7200 – uv/melting point	Melting Point of UCARCIDE 250 Antimicrobial	45250505	Union Carbide Corporation	OLD	
830.7220 – boiling point	Boiling Point of UCARCIDE 250 Antimicrobial	45250504	Union Carbide Corporation	OLD	
830.7300 – density	Density of UCARCIDE 250 Antimicrobial	45250503	Union Carbide Corporation	OLD	
830.7370 – dissociation constant	GA 50 Physical Properties	50198604	The Dow Chemical Company	OWN	
Signature <i>Rhonda Vance-Moeser</i>		Name and Title Rhonda Vance-Moeser, Product Steward Regulatory Mgr.			Date Feb. 28, 2017

Form Approved OMB No. 2070-0060

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Ingredient Glutaraldehyde					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Toxicity Data Requirements					
870.1100	Ucarcide 250: Acute Peroral Toxicity Study in the Rat: Lab Project Number: 54-145	42219501	Union Carbide Corporation	OLD	
870.1200	Glutaraldehyde Dilutions: Percutaneous Toxicity and Eye Irritation Studies: Project Report 44-65.	164459	Union Carbide Corporation	OLD	
	Acute Dermal Toxicity Study of Glutaraldehyde in Albino Rabbits	44691606	BASF Corporation	OLD	
	Ucarcide 250: DOT Skin Corrosivity Test	45913420	The Dow Chemical Company	OWN	
870.1300	Acute Inhalation Toxicity LC50 4 Hours (Rat) Liquid Aerosol Test of "Glutaraldehyde, 50% Solution".	46666414	The Dow Chemical Company	OWN	
	Six Hour Static LT50 on Rats: Glutaraldehyde	45913412	The Dow Chemical Company	OWN	
	Ballantyne, B. (2003) Summary of Acute Vapor Exp Toxicity Studies by Static & Dynamic Generation of GA Vapor Ambient & Elevated Temp (Rat).	46666407	The Dow Chemical Company	OWN	
	Hindle, S., Acute Inhalation Toxicity LC50 4 hours (rat) of "Glutaraldehyde, approx. 50% Solution, poor in methanol" (Test Substance No. 80/265) – Study completion date June 6, 2016.	49912702	The Dow Chemical Company	OWN	
870.2400	50% Glutaraldehyde Ucarcide 250: Primary Skin Irritancy in the Rabbit	45913415	The Dow Chemical Company	OWN	
	Glutaraldehyde Dilutions: Primary Skin and Eye Irritation Studies:	46666405	The Dow Chemical Company	OWN	
Signature <i>Rhonda Vance-Moeser</i>		Name and Title Rhonda Vance-Moeser, Product Steward Regulatory Mgr.			Date Feb. 28, 2017

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Ingredient Glutaraldehyde					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Efficacy Data Requirements					
810.2100		Not Required			
810.2200		Not Required			
810.2300		Not Required			
810.2400		Not Required			
810.2500		Not Required			
810.2600		Not Required			
	Note: This Data Matrix is in response to specific data requirements requested for PDCI-043901-30503. Additional data is on file.				
Signature	<i>Rhonda Vance-Moeser</i>	Name and Title Rhonda Vance-Moeser, Product Steward Regulatory Mgr.			Date Feb. 28, 2017